

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

2

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A blowby gas circulation system for an engine including a crankcase and an intake system, comprising:

an oil tank for supplying engine oil reserved therein to said crankcase, said oil tank receiving a gas-liquid mixture generated in said crankcase, and said oil tank separating said gas-liquid mixture into a processed gas-liquid mixture and engine oil; and

a breather chamber integrally formed with said crankcase for receiving said processed gas-liquid mixture, said breather chamber separating said processed gas-liquid mixture into blowby gas and engine oil, said breather chamber sending said blowby gas to said intake system, and said breather chamber returning said engine oil to said crankcase.

2. (Currently amended) A blowby gas circulation system for an engine including a crankcase and an intake system, comprising:

an oil tank for supplying engine oil reserved therein to said crankcase, said oil tank receiving a first gas-liquid mixture generated in said crankcase, and said oil tank separating said first gas-liquid mixture into a second gas-liquid mixture and engine oil;

a first breather chamber for receiving said second gas-liquid mixture, said first breather chamber separating said second gas-liquid mixture into a third gas-liquid mixture and engine oil, said first breather chamber returning said engine oil directly to said crankcase; and

a second breather chamber for receiving said third gas-liquid mixture, said second breather chamber separating said third gas-liquid mixture into blowby gas and engine oil,

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

3

said second breather chamber sending said blowby gas to said intake system, and said second breather chamber returning said engine oil to said crankcase.

3. (Currently amended) A blowby gas circulation system for an engine including a crankcase and an intake system, comprising:

an oil tank for supplying engine oil reserved therein to said crankcase, said oil tank receiving a first gas-liquid mixture generated in said crankcase, and said oil tank separating said first gas-liquid mixture into a second gas-liquid mixture and engine oil;

a first breather chamber for receiving said second gas-liquid mixture, said first breather chamber separating said second gas-liquid mixture into a third gas-liquid mixture and engine oil, said first breather chamber returning said engine oil to said crankcase; and

a second breather chamber for receiving said third gas-liquid mixture, said second breather chamber separating said third gas-liquid mixture into blowby gas and engine oil, said second breather chamber sending said blowby gas to said intake system, and said second breather chamber returning said engine oil to said crankcase,

~~The blowby gas circulation system according to claim 2,~~

wherein said crankcase is formed by integrally connecting a first crankcase with a second crankcase,

wherein said first breather chamber is formed by superimposing a first pocket integrally provided with a clutch cover on a second pocket integrally provided with said second crankcase when said clutch cover is connected with said second crankcase, and

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

4

wherein said second breather chamber is formed by superimposing said second pocket on a third pocket integrally provided with said first crankcase when said second crankcase is connected with said first crankcase.

4. (Original) The blowby gas circulation system according to claim 2, further comprising:

a first oil pump for feeding engine oil reserved in said oil tank to said crankcase;

and

a second oil pump for feeding said first gas-liquid mixture from said crankcase to said oil tank.

5. (Previously presented) The blowby gas circulation system according to claim 4, wherein a pumping power of said second oil pump is larger than a pumping power of said first oil pump so as to produce a vacuum pressure in said crankcase.

6-7. (Canceled).

8. (Previously presented) The blowby gas circulation system according to claim 2, wherein said crankcase is formed by integrally connecting a first crankcase with a second crankcase.

9. (Currently amended) A blowby gas circulation system for an engine including a crankcase and an intake system, comprising:

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

5

an oil tank for supplying engine oil reserved therein to said crankcase, said oil tank receiving a first gas-liquid mixture generated in said crankcase, and said oil tank separating said first gas-liquid mixture into a second gas-liquid mixture and engine oil; a first breather chamber for receiving said second gas-liquid mixture, said first breather chamber separating said second gas-liquid mixture into a third gas-liquid mixture and engine oil, said first breather chamber returning said engine oil to said crankcase; and a second breather chamber for receiving said third gas-liquid mixture, said second breather chamber separating said third gas-liquid mixture into blowby gas and engine oil, said second breather chamber sending said blowby gas to said intake system, and said second breather chamber returning said engine oil to said crankcase,

wherein said crankcase is formed by integrally connecting a first crankcase with a second crankcase.

~~The blowby gas circulation system according to claim 8,~~

wherein said first breather chamber is formed by superimposing a first pocket integrally provided with a clutch cover on a second pocket integrally provided with said second crankcase when said clutch cover is connected with said second crankcase.

10. (Previously presented) The blowby gas circulation system according to claim 9, wherein said second breather chamber is formed by superimposing said second pocket on a third pocket integrally provided with said first crankcase when said second crankcase is connected with said first crankcase.

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

6

11. (Previously presented) The blowby gas circulation system according to claim 1, wherein said gas-liquid mixture generated in said crankcase is guided directly from said crankcase to said oil tank.
12. (Previously presented) The blowby gas circulation system according to claim 1, wherein said gas-liquid mixture is introduced to said oil tank directly from said crankcase.
13. (Previously presented) The blowby gas circulation system according to claim 1, wherein said gas-liquid mixture from said crankcase is guided to said oil tank without passing through said breather chamber.
14. (Previously presented) The blowby gas circulation system according to claim 1, wherein said breather chamber receives said processed gas-liquid mixture other than directly from said crankcase.
15. (Previously presented) The blowby gas circulation system according to claim 1, wherein said breather chamber receives said processed gas-liquid mixture from said crankcase via said oil tank.
16. (Previously presented) The blowby gas circulation system according to claim 2, wherein said oil tank receives said first gas-liquid mixture generated in said crankcase directly from said crankcase.

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

7

17. (Previously presented) The blowby gas circulation system according to claim 2, wherein said first gas-liquid mixture is introduced to said oil tank directly from said crankcase.

18. (Previously presented) The blowby gas circulation system according to claim 2, wherein said first gas-liquid mixture from said crankcase is introduced to said oil tank without passing through at least one of said first breather chamber and said second breather chamber.

19. (Previously presented) The blowby gas circulation system according to claim 2, wherein said first breather chamber receives said second gas-liquid mixture other than directly from said crankcase.

20. (Previously presented) The blowby gas circulation system according to claim 2, wherein said first breather chamber receives said second gas-liquid mixture from said crankcase via said oil tank.

21-26. (Canceled).

27. (Previously presented) The blowby gas circulation system according to claim 1, wherein an inside of the crankcase is kept in a vacuum condition with respect to the breather chamber.

U.S. Serial No. 10/613,074
Docket No. F05-155619M/MKO
NGB.264

8

28. (Previously presented) The blowby gas circulation system according to claim 2, wherein an inside of the crankcase is kept in a vacuum condition with respect to the breather chamber.

29-30. (Canceled).

31. (New) The blowby gas circulation system according to claim 2, wherein said first breather chamber is integrally formed with said crankcase.

32. (New) The blowby gas circulation system according to claim 2, wherein said second breather chamber is integrally formed with said crankcase.